



Safety Data Sheet

Report Date 23-May-15

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1. Identification

Product Name : SOY-DEX PLUS
Synonyms : None
Product Use : 93:7 Spray Adjuvant
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification

Signal Word : Warning (no symbol)
Skin Irritation : May cause irritation after repeated exposure
Eye Irritation : May cause irritation
Acute Toxicity Oral : Practically non-toxic
Acute Toxicity Dermal : Practically non-toxic

Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye Irritation-2B; Skin Irritation-3

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes eye irritation
Causes mild skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Blend of Vegetable Oil, Polyol Fatty Acid Esters, Polyethoxylated esters thereof and Ethoxylated Alkyl Aryl Phosphate Esters	Proprietary	99.0
Components ineffective as adjuvant	Nonhazardous	1.0

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

Extinguishing Media : Use alcohol foam, dry chemical or carbon dioxide extinguishing agents.



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Specific Hazards Arising from the Chemical : None currently known.

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Contains vegetable oil; do not allow spilled product to contaminate water supplies.
- Methods and Materials for Containment and Cleanup** : Dike and absorb spilled product with an absorbent such as clay, sand or sawdust. Collect and transfer to suitable containers for proper disposal. Flush spill area with water, absorb and place in same containers with recovered spill material.

7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established for mixture.
- Appropriate Engineering Controls** : Local exhaust is sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear red liquid with cooking oil odor.
- Flash Point, °F** : 250 Degrees F.
- Boiling Point, °F** : Not established
- Melting Point(Freezing point), °C** : Not applicable
- Vapor Pressure, mm Hg @ 20 °C** : Not established
- Vapor Density** : Not established
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 0.910-0.930
- Evaporation Rate(Butyl Acetate = 1)** : 1000X
- Octanol/Water Partition Coefficient** : No information found
- pH** : Not applicable, non-aqueous
- Flammable Limits (approximate volume % in air)** : No information found
- Auto-ignition Temperature** : 850 Degrees F. (estimate)
- Decomposition temperature** : No information found



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10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition** : May produce oxides of carbon under fire conditions.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Do not allow contact with alkalis or oxidizers.
- Incompatible Materials** : Alkalis, oxidizers

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No LD50 available. Practically non-toxic. May be harmful if swallowed.
- Acute Toxicity (Dermal LD50)** : No LD50 determined. Practically non-toxic. May be harmful in contact with skin.
- Acute Toxicity Inhalation LC50** : No LC50 determined. May be harmful if inhaled.
- Likely Routes of Exposure** : Skin and eyes
- Skin Irritation** : Causes mild skin irritation.
- Eye Irritation** : Causes eye irritation.
- Skin Sensitization** : Not a skin sensitizer
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : None currently known
- Other Hazards** : None currently known

12. Ecological Information

- Ecotoxicity** : No information found
- Persistence and Degradability** : No information found
- Bioaccumulative Potential** : No information found
- Mobility in Soil** : No information found
- Other Adverse Effects** : No information found

13. Disposal Considerations

- Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT, IATA or IMDG.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : No information found
- Transport in Bulk** : No information found
- Special Precautions for Transportation** : No information found
- Freight Classification** : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)



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15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 0 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 23-May-2015